

Creating (Web) Maps with R

Stephen Roecker - USDA - NRCS

2:00 - 2:50 pm

Bio:

Stephen is a Soil Scientist and GIS Specialist with the USDA-NRCS Region 11 Soil Survey Office. His primary duties include performing quality assurance of the spatial and tabular data published on Web Soil Survey (WSS). He is an expert in digital soil mapping and frequent user of R. For the past several years he's contributed heavily to the soilDB R package, which provides access to several USDA-NRCS soil databases. In his free time he enjoys music, the outdoors, and watching his kids grow.



Abstract:

Most data has a spatial dimension to it. Knowing 'where' the data is coming from is often as crucial as knowing the 'what', 'when' and 'who' dimensions of a given dataset. Therefore it should be no surprise that R has a rich suite of packages for constructing maps and analyzing spatial data. R's capability has grown so much over the years that it's functionality rivals many dedicated geographic information systems (GIS). During this presentation the basics for managing and mapping spatial data using R will be introduced, using the following packages: sf, ggplot2, tmap, mapview and leaflet.

